

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>664543</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/JP2004/008934</b>	International filing date ( <i>day/month/year</i> ) <b>18/06/2004</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>19/06/2003</b>
Applicant  <b>SUMITOMO CHEMICAL COMPANY, LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/008934

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07D405/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 338 240 A (MERCK PATENT GMBH) 15 December 1999 (1999-12-15) the whole document	1-7
Y	US 5 851 427 A (KELLY STEPHEN) 22 December 1998 (1998-12-22) the whole document	1-7
Y	US 5 904 984 A (SU WEI-FANG A ET AL) 18 May 1999 (1999-05-18) the whole document	1-7
Y	US 5 569 727 A (MORMANN WERNER ET AL) 29 October 1996 (1996-10-29) the whole document	1-7
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

8 October 2004

Date of mailing of the international search report

19/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Deutsch, W

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/008934

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BARASKOV N. ET AL.: "Design of New Polymers to Improve Radiation Stability of Plastic Scintillators" PROCEEDINGS OF THE FOURTH INTERNATIONAL CONFERENCE ON CALORIMETRY IN HIGH ENERGY PHYSICS, 1993, pages 542-551, XP009037802 SINGAPORE Table 5, composition 6, 9 and Table 6, composition 6</p> <p>-----</p>	1-7

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/008934

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2338240	A	15-12-1999	NONE	
US 5851427	A	22-12-1998	DE 59609705 D1 EP 0731084 A2 JP 8245520 A SG 48035 A1	31-10-2002 11-09-1996 24-09-1996 17-04-1998
US 5904984	A	18-05-1999	WO 9816937 A1	23-04-1998
US 5569727	A	29-10-1996	LU 88405 A1 EP 0667876 A1 GR 96300004 T1 JP 7508797 T CA 2148936 A1 WO 9507308 A1 ES 2079335 T1	05-04-1995 23-08-1995 29-02-1996 28-09-1995 16-03-1995 16-03-1995 16-01-1996